

ABSTRACT OF THE DISCLOSURE

With end-to-end congestion control, in an MPEG-4 live unicast video streaming system in a wireless network, a streaming server provides real-time video-streaming to a client by using an RTP/UDP protocol.

- 5 RTP/RTCP transport engines handle the segmentation/desegmentation and the packetization/depacketization of data as well as the transmission/retransmission of packets. A bitrate adaptation protocol and a network bandwidth polling protocol can automatically and dynamically adjust the data-bitrate/transmission-bitrate according to the
- 10 available network bandwidth. Therefore, the continuous live video-streaming service is promised.